Many airlines and ground-handling companies are still managing flights manually using multiple systems. Their load control experts waste valuable time loading the same data several times, increasing the risk of making mistakes.

The Amadeus solution automates the flight management process, boosting your airline’s productivity while reinforcing safety.

Cut costs at take-off
Cutting fuel consumption is probably one of your key business priorities. Altéa Departure Control – Flight Management automates the Zero Fuel Weight calculation, so you know the precise quantity of fuel required in advance. It also eliminates last-minute fuelling, reducing costs due to delayed departures.

Altéa Departure Control – Flight Management optimises the use of aircraft capacity and gives you full visibility on available space in real time, so you know exactly how much extra cargo you can load, generating extra revenues.

What’s more, optimizing fuel consumption has a positive impact on the environment and on your airline’s image.

Boost your load controllers’ productivity
Flight management is a complex task with teams of experts handling sophisticated calculations. Altéa Departure Control – Flight Management integrates and automates most of the decisions that your load controllers take. This means they can safely handle many flights simultaneously through a single, intuitive, graphical interface. Your load controllers no longer waste time switching between different systems.

You can now build customised flight departure plans quickly and easily using business rules: Altéa Departure Control – Flight Management automatically checks that they are followed.

Ramp and freight agents can use tablets to access data through dedicated HTML interfaces and they can send information directly to load controllers in real time.

Improve safety... automatically
Many airlines still handle flight management tasks manually. This increases the risk of errors which could potentially have an adverse impact on flight safety.

Automation increases safety by significantly reducing human intervention and potential errors. Your controllers are prompted to intervene if required thanks to automated warning messages.

Altéa Departure Control – Flight Management checks that controllers are eligible to handle each aircraft type, publishes all pre- and post-departure documents and stores all messages and event records... automatically.

Amadeus Altéa Departure Control – Flight Management
Automate your load control and optimise every flight departure.
Flight Information Graphical User Interface

Get a complete overview of status of each flight on a single screen.

**Customisable flight plans**
The timeline shows the status of scheduled activities and events dynamically.

**Aircraft weight summary**
Aircraft weights summary including crew and pantry details, traffic load, fuel status, maximum certified weights, actual and predicted underload.

**Passenger data**
Breakdown of booked, accepted and estimated to board passengers by class and destination.

**Shift summary**
Display all flights allocated to a load controller to allow simultaneous monitoring of multiple flights.

**Message summary**
An audit trail of events, activities and interfaces processed during a life cycle of a flight.

**Zero Fuel Weight (ZFW) forecast and centre of gravity**
Automatic ZFW calculation uses current and historical passenger, baggage and cargo data dynamically.
**Key features**

**Load distribution**
- Fully automatic, semi-automatic and manual load distribution
  - Distribution solutions for each aircraft type
  - Multiple weight-specific checks
  - Dangerous and special goods checks for location, proximity and compatibility
  - Automatic load distribution sequencing by load priority
  - Multi-leg flight calculations

**Weight and balance**
- Legal, structural and business requirements met at all times
  - Automatic aircraft weight calculation
  - Breakdown of weight for payload calculations
  - Accurate trim calculations using bay pallet positions
  - Accurate Estimated Zero Fuel Weight calculation
  - Dynamic calculation of centre of gravity
  - Passenger distribution options by class, cabin area and seat row

**Fuel management**
- Interface with flight planning system
  - Historical, provisional and final data
  - Automated interface with carrier flight planning systems or aircraft for fuel updates
  - Fuel uplift and distribution optimised taking into account selected fuel density
  - Dynamic update and maintenance of historical fuel records
  - Automated structural limit updates from a flight planning interface or by manual input

**Capacity management**
- Calculation of optimum capacity available for cargo, mail, baggage and other commodities
  - Historical statistics, business rules and priorities integrated
  - Baggage commodity classifications set at carrier level via the database management interface
  - Allocation of bags per commodity subtype to a Unit Loading Device or bulk location
  - Business rules for transferring baggage categorized by: connection types; destination or flight number; minimum connection times; and priority

**Staff management**
- Built-in staff management tools
  - Aircraft and dangerous goods licencing and validity checks for load controllers
  - Staff management reports
  - Allocation of flights to load controllers

**Ground handling**
- Replication of each operating carrier’s processes
  - Handling flights from any carrier, both Altéa and non-Altéa in the same, unique graphical user interface
Ramp management
Information sharing between ramp staff and load controllers
- Modify and update load details once the load plan has been approved and released by the load controller
- Exchange messages with the load controller and add supplementary information for post departure messages
- Clear items as they are loaded. Both the ramp agent and load controller can monitor ramp activities

Freight management
Automatic processing of data from external cargo systems
- Generation of cargo, dangerous goods and special load data
- Cargo status updates within the system
- Assigned/unassigned deadload, offload, standby and transfer to and from flights

Main options

Altéa Mobile Ramp
A flexible html GUI to manage ramp handling activities
- Access using mobile tablets and a web connection
- Load Instruction Report accessed in real time
- Updates do not require airport certification or software installed on airport workstations

Altéa Mobile Freight
Access to freight application using any computer or hand-held device through an internet connection
- External or internal freight agent can enter cargo information and distribute it to flights
- Secure access levels identical to Altéa Departure Control – Flight Management
- No need to deploy the GUI and certify every version

Altéa Departure Control Events Notifications
Communication of flight event information to external systems in real time
- Activities triggered in Altéa Departure Control – Flight Management and Customer Management inform Altéa Departure Control Events Notifications of any changes impacting a flight
- Generates flight event notifications for airlines’ external systems
- Flight event business rules determine which external system(s) are notified
- Flight data (airline code, flight number and date, leg impacted) sent with the event name

With Amadeus Departure Control – Flight Management you can:
- Cut costs by automatically calculating ideal trim and Zero Fuel Weight
- Increase productivity by managing many flights in a single screen and automating load distribution
- Improve safety by reducing the risk of human error
- Stay ahead of the competition thanks to Amadeus’ commitment to innovation

Find out more
For further information, visit www.amadeus.com/airlineit or speak to your Amadeus Account Manager today.